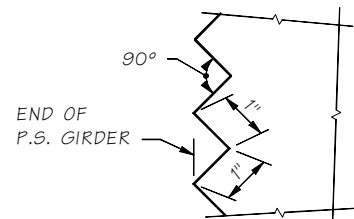


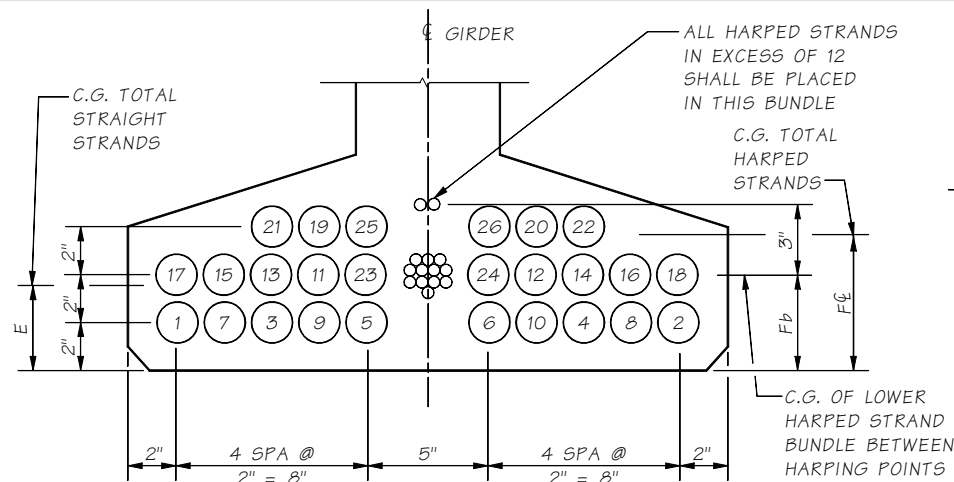
STRAND PATTERN  
AT GIRDER END

HARPED STRAND LOCATION SEQUENCE SHALL BE AS SHOWN ①, ② ETC.



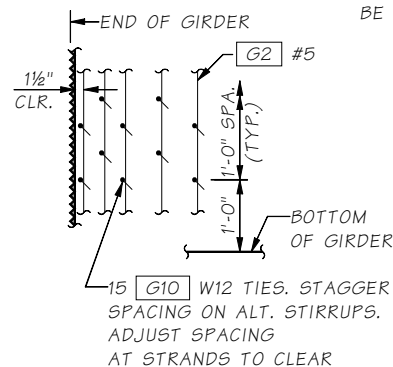
SAWTEETH DETAILS

SAWTEETH ARE FULL WIDTH - USE SAWTEETH KEYS FROM BOTTOM OF BOTTOM FLANGE TO BOTTOM OF LOWEST HARPED STRAND



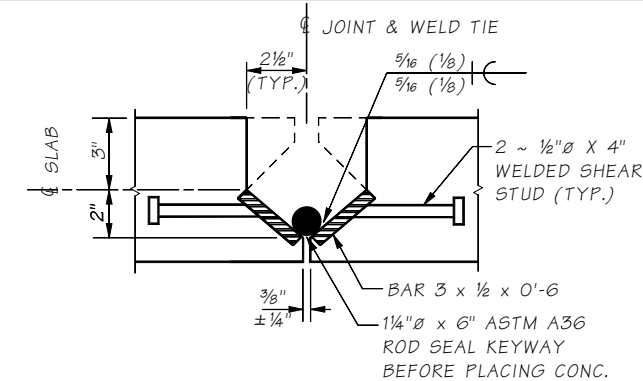
STRAND PATTERN AT 1/4 SPAN

STRAND LOCATION SEQUENCE SHALL BE AS SHOWN ①, ② ETC.

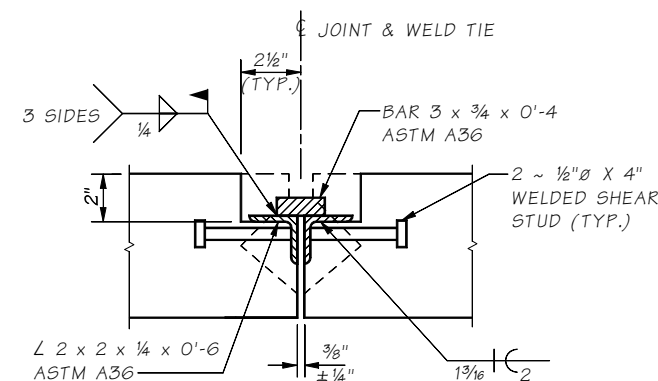


TIE SPACING  
DETAIL

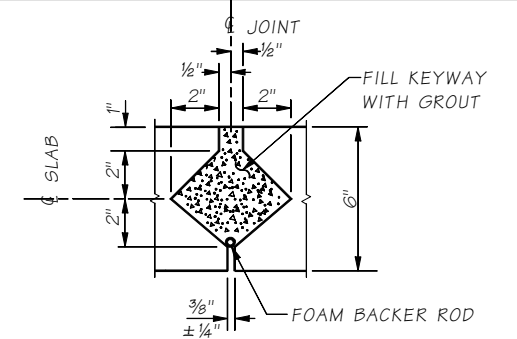
\*\* THICKEN FLANGE TO COMPENSATE FOR CAMBER DUE TO PRESTRESS. FLANGE THICKNESS SHOWN IS @ 1/4 OF SPAN. FOR FLANGE THICKNESS ALONG GIRDER SEE GIRDER FLANGE THICKENING DETAILS ON BR. SHEET [ ]. GIRDERS WITH ULTIMATE CAMBER VALUES SMALLER THAN 3/4" ARE EXEMPT FROM THIS REQUIREMENT. FLANGE THICKENING SHALL BE USED ONLY IF NEEDED BY DESIGN.



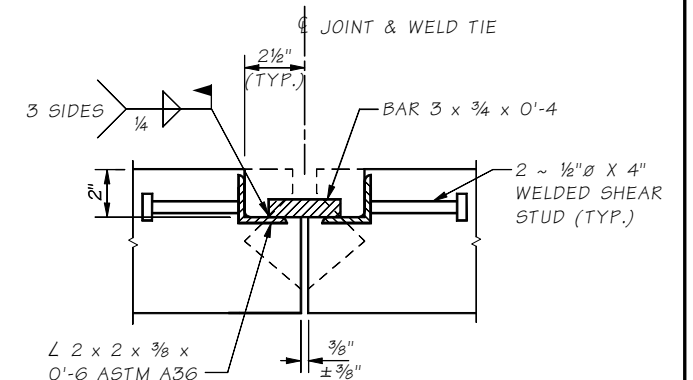
SECTION B  
1  
WELD TIE  
ALTERNATE #1



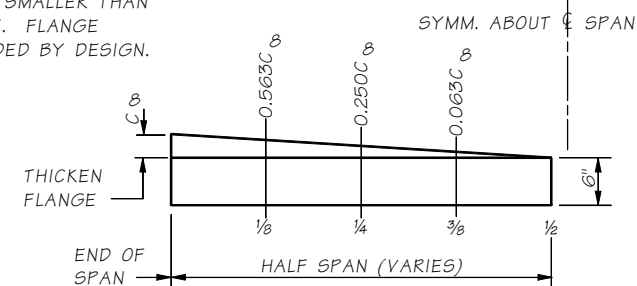
SECTION B  
1  
WELD TIE  
ALTERNATE #2



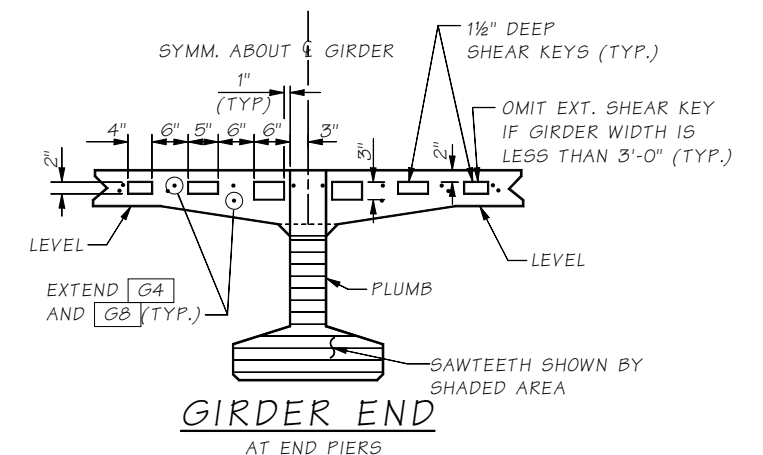
SECTION A  
1  
KEYWAY



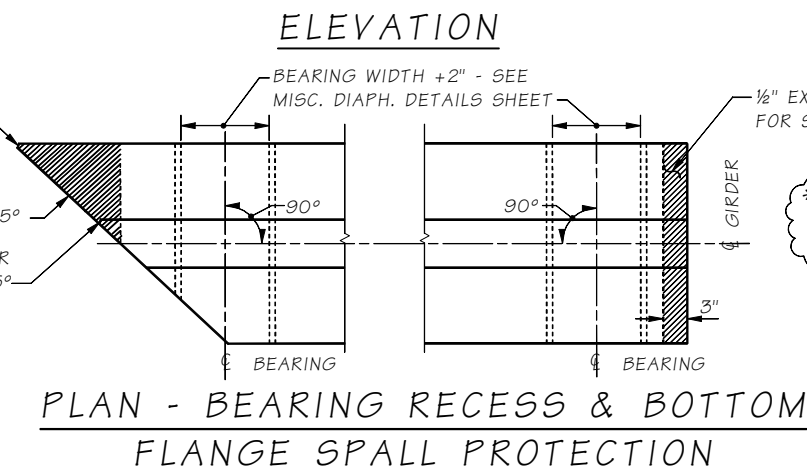
SECTION B  
1  
WELD TIE  
ALTERNATE #3



GIRDER FLANGE THICKENING \*\*



GIRDER END  
AT END PIERS



PLAN - BEARING RECESS & BOTTOM  
FLANGE SPALL PROTECTION

\* The number of harped strands should not exceed 1/2 of the number of straight strands.  
NOTE: Dimensions shall be shown in Imperial units to the nearest 1/8th inch.

GIRDER SCHEDULE

SPAN	GIRDER	END 1	END 2	S	LS	$\theta_1$	$\theta_2$	$P_1$	$P_2$	PLAN LENGTH (ALONG GIRDER GRADE)	MIN. CONC. COMPR. STRENGTH		HARPED		STRAIGHT		LOCATION OF C.G. STRANDS				CAMBER		
											@ FINAL F'C KSI	@ RELEASE F'C KSI	NO. OF STRANDS	JACKING FORCE (KIPS)	NO. OF STRANDS	JACKING FORCE (KIPS)	E	F <sub>1</sub>	F <sub>b</sub>	F <sub>o</sub>	RELEASE $\Delta$	50 $\Delta$	2000 $\Delta$
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Bridge Design Engr.	M:\STANDARDS\Girders\Deck Bulb Tee\W35DG2.man			REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
Supervisor				10	WASH.			
Designed By								
Checked By								
Detailed By								
Bridge Projects Engr.								
Prelim. Plan By								
Architect/Specialist	DATE	REVISION	BY	APPD				

BRIDGE  
AND  
STRUCTURES  
OFFICE



STANDARD  
PRESTRESSED CONCRETE GIRDERS

W35DG DECK BULB TEE GIRDER  
DETAILS 2 OF 2

BRIDGE  
SHEET NO.  
SHEET  
OF  
SHEETS

SR JOB NO. SHEET

5.6-A24-3